

# Lawrence Livermore National Laboratory

## *Connections to the Community*

*Lawrence Livermore National Laboratory (LLNL) is a valued and involved member of the community, supporting a variety of educational programs, economic development initiatives and charitable activities.*

The Laboratory takes great pride in contributing to the nation's security and equal pride in contributing to the local community and region. With a workforce of approximately 6,200, LLNL is the fourth largest employer in Alameda County and the largest employer in the City of Livermore. Most Laboratory employees reside in one of the three surrounding counties, with approximately 50 percent living in Alameda County, 20 percent in San Joaquin County and 15 percent in Contra Costa County.

The Laboratory's approximately \$1.5 billion annual budget translates to a total annual payroll base of approximately \$745 million. LLNL spends about \$568 million each year for the procurement of goods and services, roughly one-third of which is spent in Alameda, San Joaquin, and Contra Costa counties.

### Science Education Outreach

LLNL offers a variety of science enrichment activities aimed at inspiring the next generation of researchers and enhancing science and math education. In addition to "super science" field trips for classes and youth groups, the Laboratory presents a free Science on Saturday lecture series at venues in Livermore and Tracy. Laboratory researchers partner with local science teachers to present topics at the forefront of LLNL's scientific research. Each year, nearly 5,000 people attended lectures on medicine, space studies, cancer treatment, wind energy and more. These presentations are aired on University of California Television and have received more than seven million views in the past four years.

The Laboratory is a principal sponsor of the Alameda County Science and Engineering Fair for 7th- through 12th-grade students. This annual event provides a forum for students to present their science projects, interact with scientist-judges and receive feedback on their efforts. Approximately 600 students participate each year. Senior sweepstakes winners go on to compete in the Intel

International Science and Engineering Fair and junior sweepstakes winners in the California State Science Fair.

LLNL also provides a number of activities for middle- and high-school science teachers, from one-day science education symposia to summer-long programs combining instructional segments and mentored research internships at the Laboratory. The Teacher Research Academy offers teachers a multi-tier professional development experience in one of four topical areas related to LLNL research (fusion and astrophysics, biotechnology, climate science and computational modeling). The Science Teacher and Researcher (STAR) program provides pre-service and early career science and math teachers with summer internships working under the guidance of mentor scientists or engineers on original research projects. Workshops and other activities help teachers incorporate their research experience into their teaching of science and math. Approximately 100 teachers participate in these programs each year.

### Business Development Initiatives

LLNL is actively engaged in business development discussions with government, industry and academia to help further economic prosperity in the Greater Bay Area.

A key focal point for potential public-private partnerships is the Livermore Valley Open Campus (LVOC), a Lawrence Livermore/

Every year, more than 600 middle- and high-school students present more than 200 projects at the LLNL-sponsored Alameda County Science and Engineering Fair.





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Local students attempt to spherically compress a weather balloon in a hands-on demonstration of one of the challenges of laser fusion, as part of the Laboratory's Science on Saturday lecture series.



Sandia-California collaboration located on 110 acres of federal property adjacent to the laboratory sites. LVOC is an open, unclassified space designed to stimulate major economic growth through industrial and academic collaborations. The campus currently houses conference and collaboration facilities; future plans call for the addition of research and laboratory spaces.

LLNL is a participant in regional development initiatives to advance economic competitiveness – from high performance computing, biotechnology, cyber security, energy and additive manufacturing. LLNL works with such organizations as the Silicon Valley Leadership Group, the East Bay Economic Development Alliance and the Bay Area Council, and is a partner in a state “innovation hub,” based in Livermore, for green and advanced transportation technologies. Other participants include the City of Livermore, other regional communities, Sandia/California, universities, the local community college district and various industry and venture capital interests.

## Community Giving

Laboratory employees are generous contributors to the community through volunteering and charitable giving. For more than 35 years, the HOME (Helping Others More Effectively) campaign has raised money for hundreds of community and nonprofit organizations in the Tri-Valley, San Joaquin Valley and the Greater Bay Area. In November 2012, LLNL employees donated more than \$2.5 million, and Lawrence Livermore National Security, LLC, which manages the Laboratory, donated an additional \$1 million in matching funds.

Laboratory employees also contribute individually to the community—serving as literacy tutors in local libraries and guest instructors in area schools, helping with Habitat for Humanity projects, community food banks and neighborhood cleanup drives, collecting school supplies and holiday gifts for needy students and families, and serving on school boards, city councils and other community committees, to name just a few.

### LLNL Community Impact by the Numbers

6,200	\$1.5 billion	\$745 million	\$568 million	\$3.5 million	768	\$15,000	14,000
Number of LLNL employees; roughly 50% live in Alameda County, 20% in San Joaquin County, and 15% in Contra Costa County	Total Laboratory budget	LLNL employee payroll base, including \$656 million to Alameda, San Joaquin, and Contra Costa counties	Amount spent on procurement of goods and services, including more than \$182 million in Alameda, San Joaquin, and Contra Costa counties	Money raised for community and nonprofit organizations through the annual Helping Others More Effectively (HOME) campaign	Units of blood donated to the American Red Cross	Money raised for the American Cancer Society's Daffodil Days	Number of students and teachers benefitting from LLNL's education outreach programs

For more information, contact the LLNL Public Affairs Office, P.O. Box 808, Mail Stop L-3, Livermore, California 94551 (925-422-4599) or visit our website at [www.llnl.gov](http://www.llnl.gov).

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